

OFFICE OF THE STATE PALEONTOLOGIST

Permit Number:\_\_\_\_\_

Utah Geological Survey

Approved By:\_\_\_\_\_

1594 W. North Temple, P.O. Box 146100

Date:\_\_\_\_\_

Salt Lake City UT 84114-6100

Expiration Date:\_\_\_\_\_

**PERMIT APPLICATION FOR PALEONTOLOGICAL INVESTIGATIONS,  
EXCAVATIONS, AND/OR COLLECTIONS ON STATE MANAGED LANDS IN UTAH\***

1. Name and Title of Principal Investigator:\_\_\_\_\_

2. Field Supervisors:\_\_\_\_\_

3. Your Sponsoring Institution or Affiliation:\_\_\_\_\_

4. Address:\_\_\_\_\_

5. Telephone:\_\_\_\_\_

6. Type of Permit, Check One: Surface Collecting Permit\_\_\_\_\_, Excavation Permit \_\_\_\_\_

7. Fossils You Expect to Collect:\_\_\_\_\_

8. Purpose for Collection, Check One: Mitigation/Salvage \_\_\_\_\_, Research\_\_\_\_\_, Exhibit\_\_\_\_\_

9. Tools and Collecting Techniques:\_\_\_\_\_

10. Repository (Attach Curation Agreements):\_\_\_\_\_

11. Location of Proposed Work (For Excavation Permits, Please Attach Locality Data Sheet and Map):

(a) Formation/Member/Geologic Age\_\_\_\_\_

(b) Location Geologic Age:\_\_\_\_\_

(c) Map Reference:\_\_\_\_\_

(d) Land Ownership:\_\_\_\_\_

(e) Locality Number (Excavation Permits Only):\_\_\_\_\_

12. Comments or Explanation:\_\_\_\_\_

13. Source(s) of Information and/or Published References:\_\_\_\_\_

14. Applicant signature\_\_\_\_\_

\*This application, when approved, becomes a permit to conduct paleontological investigations that will disturb fossils, and for any excavations or collections on state managed lands, as required by law under the provisions of the Utah Code for the Utah Geological Survey (Utah Code Annotated Sections 63-73-12 and 63-73-13).

Applications must include letters from the Utah Museum of Natural History and the specific land management agency recognizing the proposed repository as valid for state fossils. Permits are issued on a calendar year basis for a period not to exceed three years, and are subject to the attached **SPECIAL CONDITIONS. Submission of annual reports and locality data sheets are required to maintain active permit status.**

## **Instructions to Applicants For Paleontological Investigations, Excavations, and/or Collections on State Managed Lands in Utah**

The following instructions are provided to assist applicants in completing the Permit Application For Paleontological Investigations, Excavations, and/or Collections on State Managed Lands in Utah.

### **Line 1: Name and Title of Principal Investigator (Attach Resume)**

Identify the individual(s) obligated to carry out all terms and conditions of the permit. Enter on this line the name of the applicant(s) and their title at the sponsoring institution. The PI is responsible for planning, supervision, and performance of fieldwork, for evaluations and recommendations regarding the paleontological materials under study, and for compliance with the terms and conditions of the permit in the field.

### **Line 2: Field Supervisors (Attach Resumes)**

Names of any individuals other than the Principal Investigator who may be in direct charge of field work. Field supervisors are responsible for planning, supervising, and carrying out fieldwork in the absence of the principal investigator.

### **Line 3: Sponsoring Institution or Affiliation**

Identify the Sponsoring Institution with whom the Principal Investigator is affiliated. Sponsoring Institutions may include universities, museums, and government agencies, or a business if you are working as a paleontological consultant. If you are applying for a permit to do consulting work (mitigation/salvage) as a paleontological consultant, include your business name or write *paleontological consultant* on this line.

### **Lines 4 and 5: Addresses and Telephone Numbers**

Enter a mailing address, and phone and fax numbers for both the applicant's permanent office and for the field party (if possible). A field telephone number may be a cell phone or a phone located at a ranch, campground, or business near the field camp.

### **Line 6: Type of Permit - Surface Collecting or Excavation**

Check either *Surface Collection Permit* or *Excavation Permit* depending on what kind of permit is being applied for. Surface collection permits allow for survey work and limited collection over broad areas within the state. Collections may be made but surface disturbance may not exceed one square meter at any one location. Should work exceeding that allowable under such a permit be necessary, an excavation permit will be required. Separate application forms must be submitted for each type of fieldwork anticipated.

### **Line 7: Fossils you expect to collect**

List the taxa and/or geologic units that you propose to study or survey.

### **Line 8: Purpose for Collection - Mitigation/Salvage, Research, Exhibit**

Indicate the purpose for the permit by checking the appropriate category or categories: *Research, Exhibit, or*

## *Mitigation/Salvage.*

If needed, use a separate sheet to describe the proposed project and the methods to be used to carry it out. For excavation permits, explain why the excavation will be necessary, what will be excavated, and what kind of information is being sought. The permit application should include an outline or schedule for publishing or otherwise reporting results of the work.

For **research**, describe methods for locating fossils, research plan, reasons for the research, including plans for record-keeping, preparation, and repository.

If specimens are sought for **exhibit** purposes, give a brief summary of plans, resources, and facilities for display and interpretation. This proposal should indicate how and where the materials will be used/interpreted in a program promoting the scientific study of fossils and earth history. Describe the expected extent and condition of the target fossils, methods of excavation, preparation plans, and record-keeping plans.

Where the permit is intended for **mitigation/salvage** work as a paleontological consultant, describe areas to be disturbed, provisions for monitoring of construction activities, criteria for decision regarding whether to collect, methods to be employed in collections, and plans for record-keeping, preparation, and repository. Indicate the name, developer, and nature of the project, if known. Otherwise indicate that no specific project has been identified.

### **Line 9: Tools and Collecting Techniques**

For excavation permits, explain what will be excavated and in what manner (hand tools, mechanized equipment, etc.). For surface collecting permits, explain survey methods and data collection techniques.

### **Line 10: Repository (Attach Curation Agreements)**

Name and address of the repository, which may be the applicant's organization/affiliation (line 3) or another facility that meets acceptable curation standards. This facility must have agreed in writing to accept and house collections resulting from permit work. Applications must include a letter from the Curator of Collections at the Utah Museum of Natural History, and a letter from the specific land management agency. Most state-owned land in Utah is managed by the School and Institutional Trust Lands Administration, but other state land management agencies include Forestry, Fire and State Lands (Sovereign Land); Division of Wildlife Resources; State Parks; and the Department of Transportation. The letters must recognize the proposed repository as valid for fossils collected from state owned lands.

### **Line 11: Location of Proposed Work**

Define the limits of the project area in terms of section, township, range, and meridian. Attach a copy of the appropriate topographic map(s) showing these boundaries. Applications for survey and limited collection permits should be as specific as possible. **Applications for excavation permits must indicate the specific locality or localities where work is anticipated. Applicants must get a Utah Paleontological Locality Number from the Utah Geological Survey, and fill out Locality Data Sheets for each locality.**

### **Line 12: Comments or Explanation**

Use this space and additional sheets if necessary for any information that cannot be accommodated in the spaces provided.

### **Line 13: Sources of Information and/or Published References**

Use this space and additional sheets if necessary for any information that cannot be accommodated in the spaces provided.

### Line 14: Applicant Signature

The individual(s) named in line 1 must sign and date the application here.

### Additional Materials Required

**RESUMES.** Applications must include a resume for each individual named on lines 1 and 2 above. These resumes must demonstrate the achievement of the following:

- A.
1. Professional instruction in paleontology, obtained through:
    - Formal education resulting in a graduate degree from an accredited institution in paleontology, or in geology, anthropology, biology, botany, or zoology if the **major emphasis** is in paleontology; **OR**
    - Equivalent paleontological training and experience, including at least 24 months under the guidance of a professional paleontologist with the qualifications for formal education, providing increasing responsibility leading to professional duties similar to those proposed in the application; **AND**
  2. Demonstrated experience in collecting, analyzing, and reporting paleontological specimens and data, similar to the type and scope of work proposed;
  3. Demonstrated experience in planning, equipping, staffing, organizing, and supervising crews performing work of the type and scope proposed.
  4. Demonstrated experience in carrying paleontological projects to completion, as evidenced by timely completion and/or publication of theses, research reports, scientific papers, and similar documents.

There may be cases in which an applicant wishes to make a collection but does not meet the criteria above. A permit may be issued to the applicant provided that there is a co-applicant who does meet these criteria and who is willing to co-sign the application, thereby agreeing to supervise project planning, associated fieldwork, scientific evaluations and recommendations regarding paleontological materials under study, and the writing and submission of reports.

- B. Applications must show the capability of the applicant's organization to support work of the type and scope proposed. An organizational resume or summary of organizational experience should be submitted with the following minimum information.

1. Description and location(s) of facilities and equipment;
2. Organizational structure and staffing;
3. Specification of which, and to what extent, facilities, equipment and staff listed would be involved in the proposed work.

- C. Applications must include a statement of the applicant's/organization's history of completing the type of work proposed, including:

1. Similar past project;
2. Past government contracts;
3. Selected bibliography of project of contract reports and/or publications resulting from the above;
4. Previous state or federal permits held, effective dates of permits currently in force, and applications pending or planned;
5. Other pertinent experience, such as research and special studies.

If applicant's organization is a newly formed entity, individual capabilities of personnel will carry greater weight than evaluation of organizational qualifications.

Lack of an organizational history will not be the principal factor in evaluating an application.

### Repository Agreements

- A. Each application must include written certification signed by a properly authorized official of the repository named in line 10, of its willingness to accept and curate any collections, records, data, photographs, and other documents derived from permitted work, and to assume permanent curatorial responsibility for such materials on behalf of the State of Utah. The official may be the person named in line 1(a).
- B. A letter must be obtained from the Curator of Collections at the Utah Museum of Natural History designating the repository named in line 10 as the official repository for materials collected under this permit. This letter will include a requirement that the Utah Museum of Natural History will receive a cast copy of any specimens that are cast from collections made under this permit. To receive this letter, the applicant must send a copy of the permit application and a copy of the repository agreement from Section A above to: Curator of Collections, Utah Museum of Natural History, 1390 Presidents Circle, University of Utah, Salt Lake City UT 84112-0050.
- C. A letter must be obtained from the appropriate state land management agency granting Right of Entry and agreement with the repository designation. For permits to conduct paleontological investigation on School and Institutional Trust Lands, contact the State of Utah School and Institutional Trust Lands Administration at 675 East 500 South, Suite 500, Salt Lake City UT 84102-2818. For permit requirements on other state lands, contact the office of the state paleontologist at [marthahayden@utah.gov](mailto:marthahayden@utah.gov) for additional information.

### SPECIAL CONDITIONS

- 1. For paleontological investigations on **School and Institutional Trust Lands**, a **Right of Entry Permit** is required. A copy of the permit application should be forwarded to Trust Lands Administration who will determine whether additional restrictions or conditions apply. A waiver of the Right of Entry fee, or payment of the fee, will be required. Other state land management agencies include Forestry, Fire and State Lands (Sovereign Land); Division of Wildlife Resources; State Parks; and the Department of Transportation. These agencies will determine if there are any additional special conditions requirements for collections made on lands they manage. This permit is valid only for State-owned lands in Utah. For Federal Lands, please contact the appropriate land management agency. For private lands, the applicant should obtain permission, preferably in writing, from the landowner.
- 2. **Resumes** for the Principal Investigator and all Field Supervisors establishing the applicants' credentials for carrying out the work should be included with this application.
- 3. A **Curation Agreement** between the applicant and the sponsoring institution, or other designated repository institution qualified to maintain paleontological collections, must accompany this application. The curation agreement must be approved by the Utah Geological Survey and the **Utah Museum of Natural History**. In accordance with requirements of the Utah Museum of Natural History, the applicant is to provide a cast copy of any specimens that are cast to the Utah Museum of Natural History.
- 4. A brief **work plan** should be submitted with this application as follows. For **mitigation/salvage**, describe areas

to be disturbed, provisions for monitoring of construction activities, criteria for decision regarding whether to collect, methods to be employed in collections, and plans for record-keeping, preparation, and repository. For **research**, describe methods for locating fossils, research plan, reasons for the research, including plans for record-keeping, preparation, and repository. For **museum exhibit**, describe the expected extent and condition of the target fossils, methods of excavation, preparation plans, and record-keeping plans.

5. An **annual, year-end report** summarizing all activity conducted under this permit should be submitted to the office of the State Paleontologist by December 31st of each year for which a permit is issued. This report will include listing of all sites with map coordinates and map plots; summary of activities at all sites, with lists of fossils encountered or collected; technical report for each site; location of collected specimens at time of the report; expected completion dates and plans for future work; and copies of all publications and reports arising from the project.
6. **Paleontological Locality Data Sheets** should be submitted for all newly recorded localities. Use of the **State of Utah Paleontological Locality Numbers** is required.
7. Unless special permission is granted, all excavated areas will be restored as nearly as possible to their original condition.
8. All camp sites used during the course of any field investigation must be left clean, all refuse must be carried out, and adequate sanitation facilities must be maintained.
9. The permittee, in exercising the privileges granted by this permit, must comply with all federal, state, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.
10. If access to the area of investigation is through fenced land, it is the responsibility of the permittee to see that all gates are closed, or left as first encountered.
11. Other permittees may be engaged in the investigation of the same area and any resulting conflict should be resolved by the parties concerned. When this is not possible, the problem will be resolved by the office of the State Paleontologist.
12. The exploration or excavation of any grave, cemetery, or burial ground less than 200 years of age is expressly prohibited. Permits to conduct archaeological excavations must be obtained from the office of the State Archaeologist at the Utah Division of State History, 300 Rio Grande, Salt Lake City, Utah, 84101.

**PLEASE INCLUDE PERMIT NUMBER ON ALL CORRESPONDENCE, REPORTS, AND LOCALITY DATA SHEETS.**